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FIG. 1A

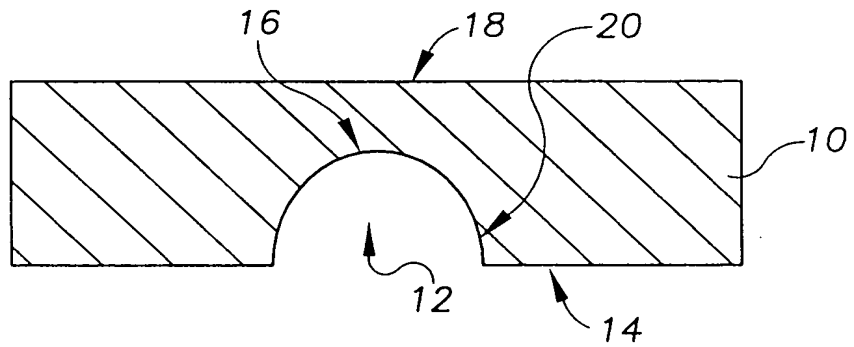


FIG. 1B

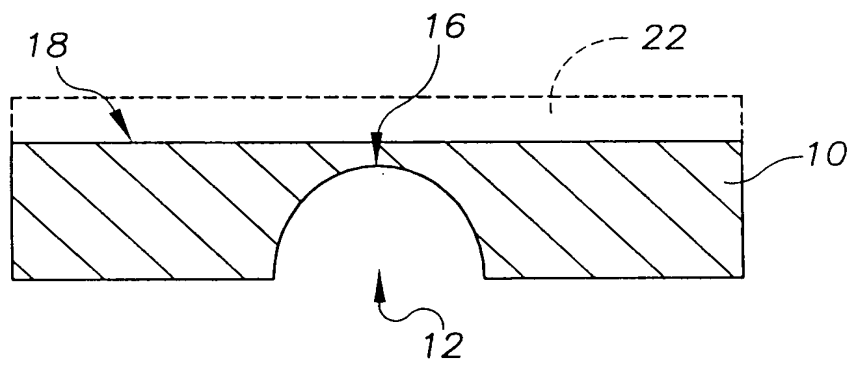


FIG. 1C

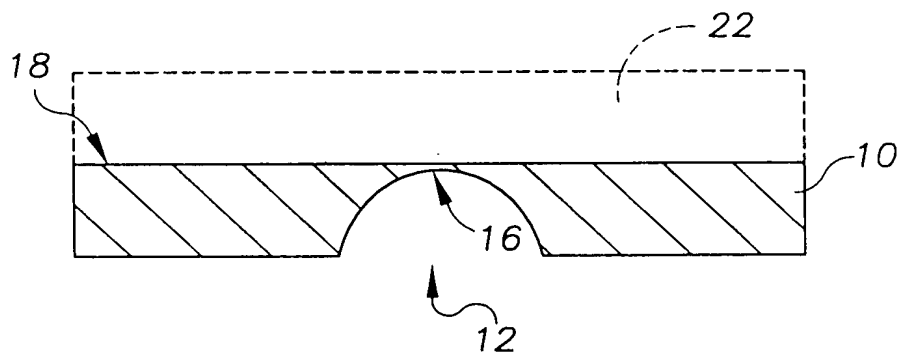


FIG. 1D

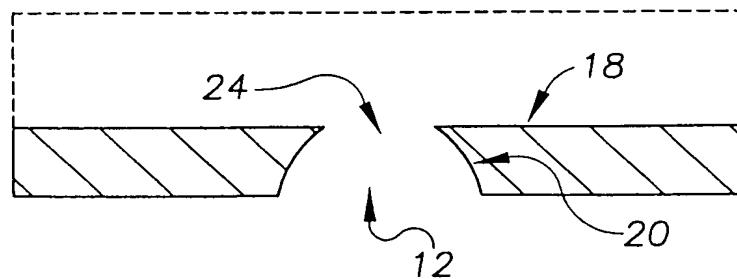


FIG. 2A

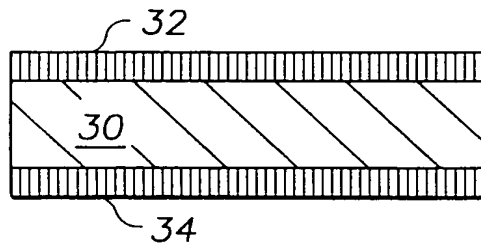


FIG. 2B

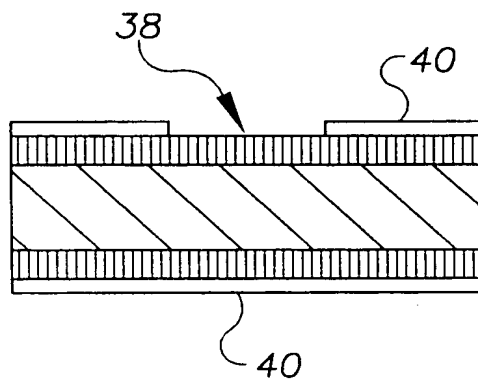


FIG. 2C

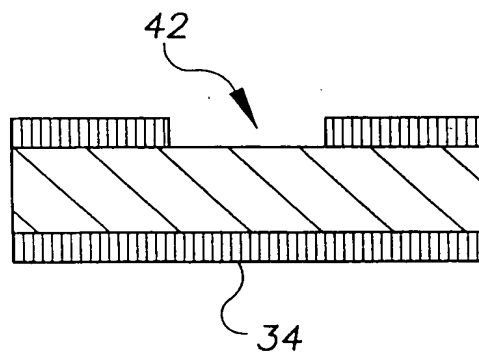


FIG. 2D

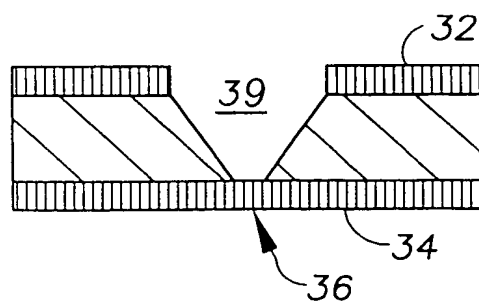


FIG. 2E

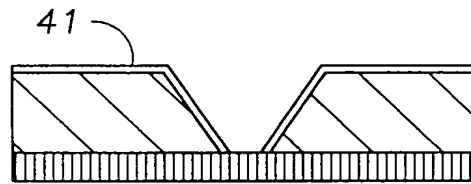


FIG. 2F

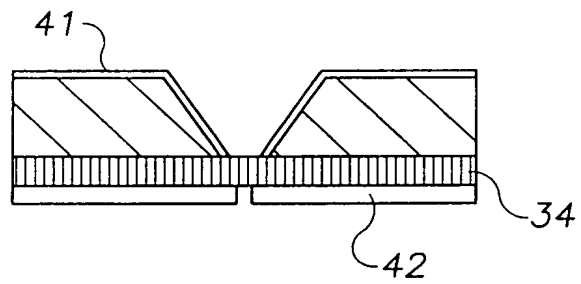


FIG. 2G

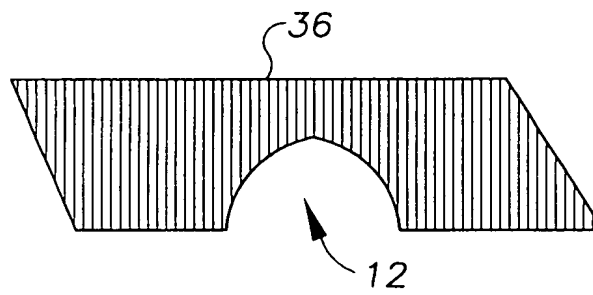


FIG. 3A

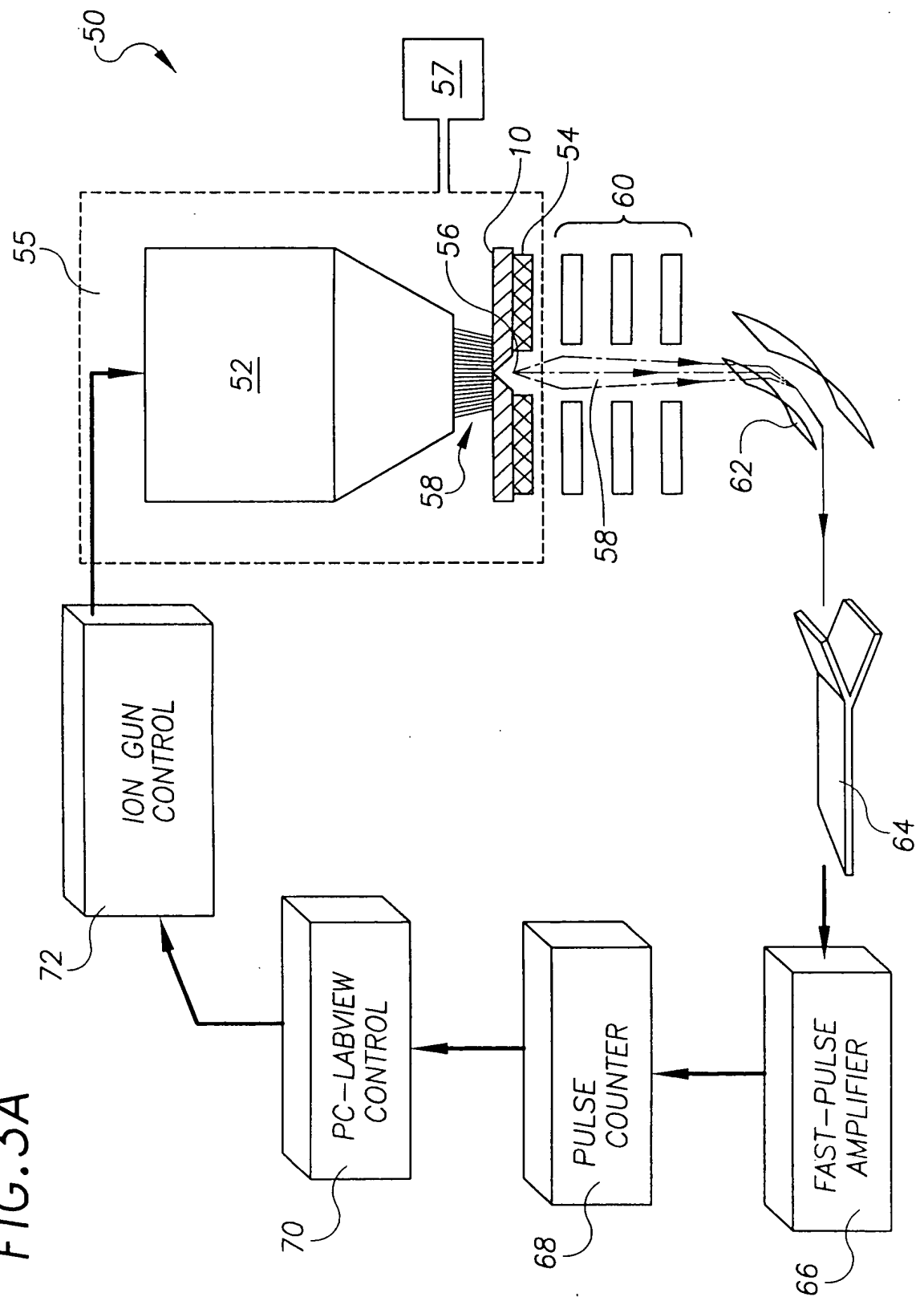


FIG. 3B

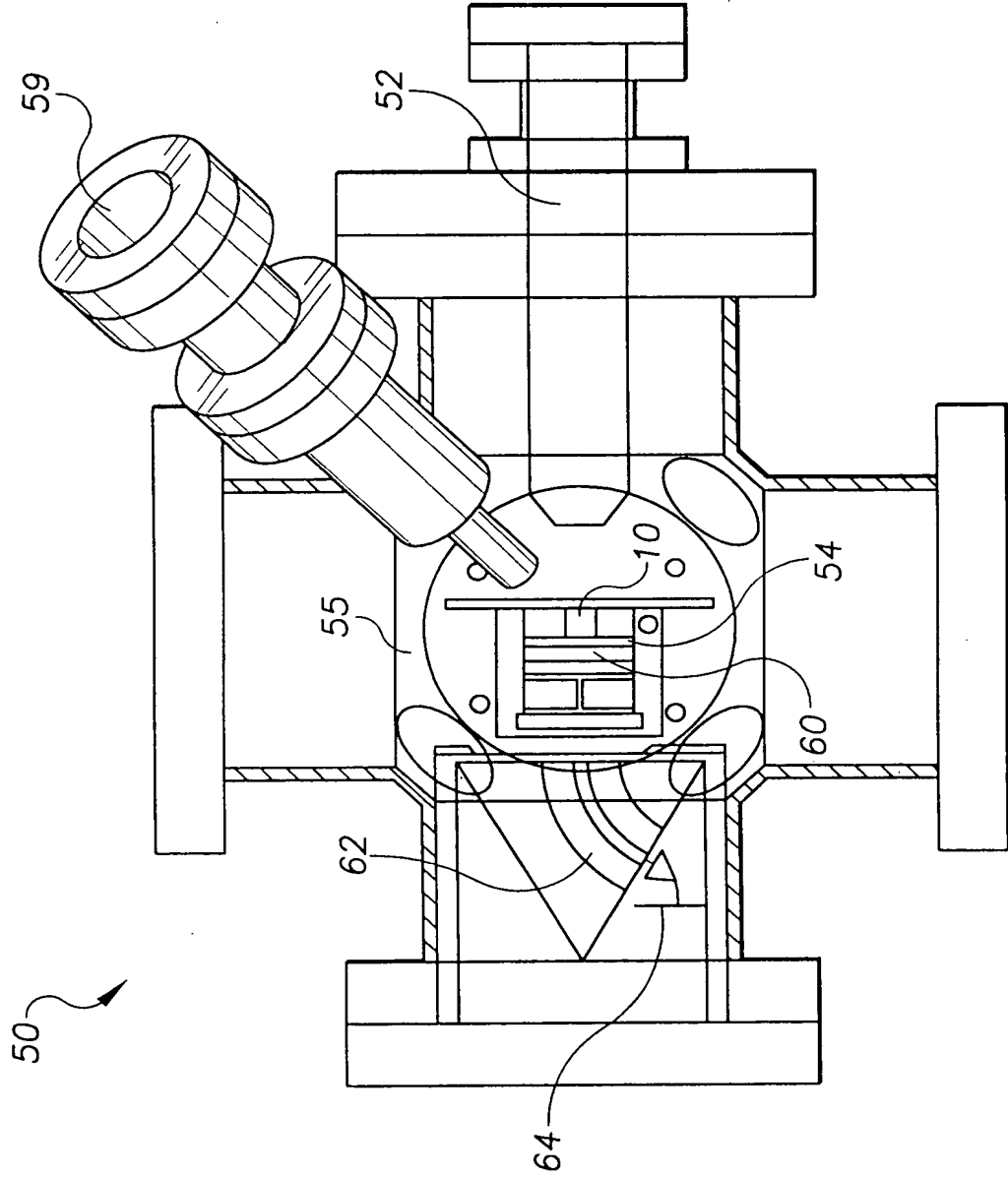
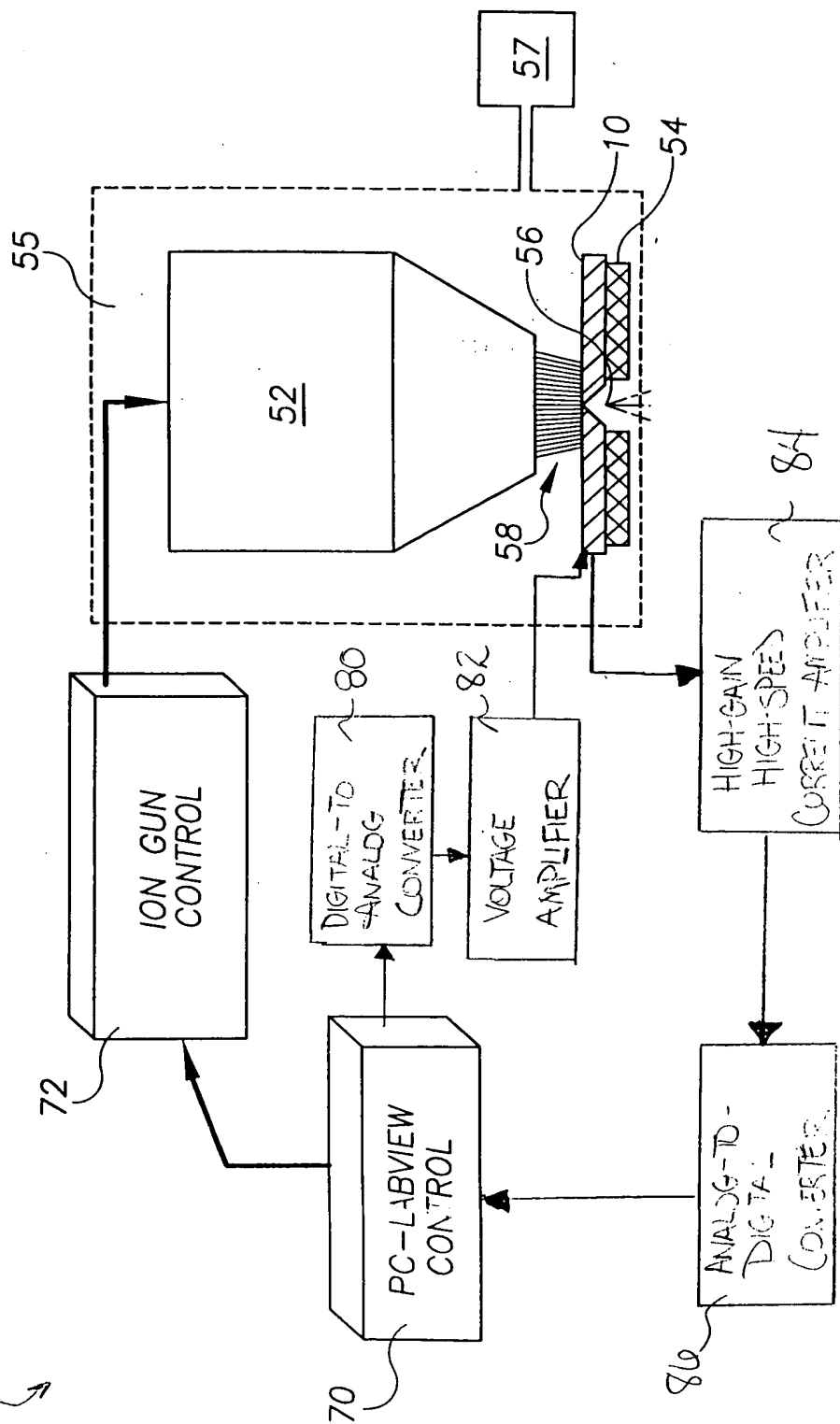


FIG. 30

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FIG.4A

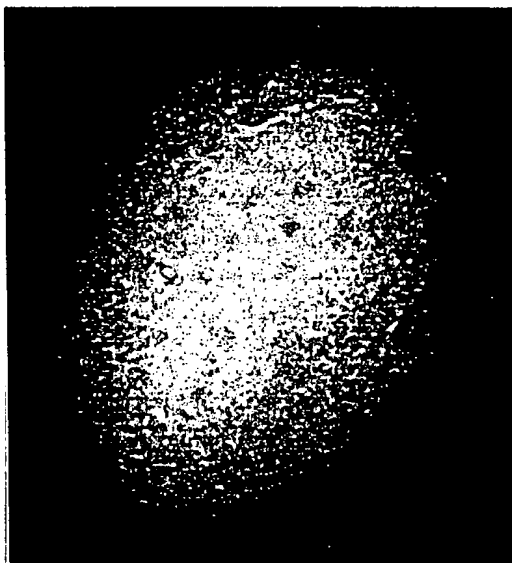
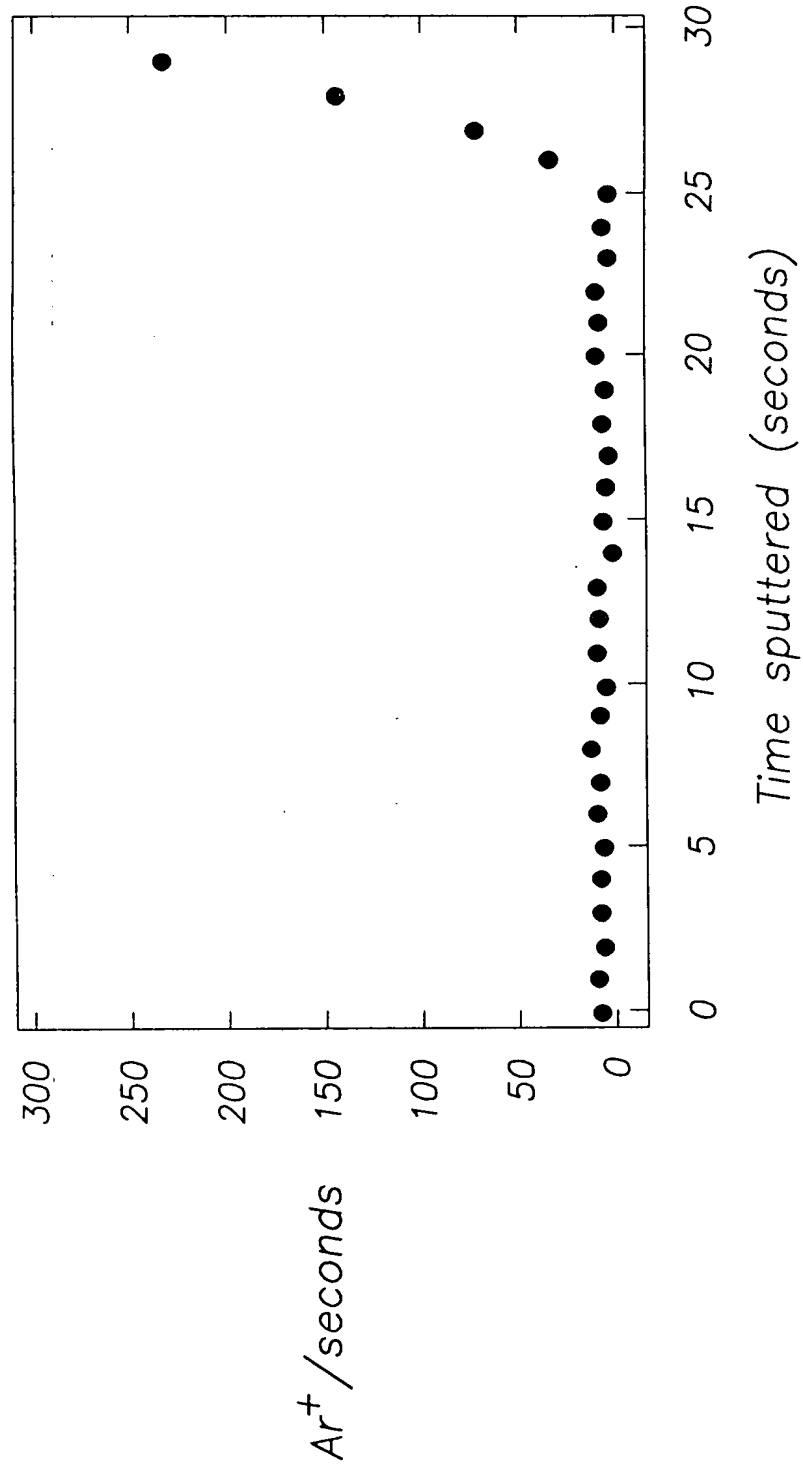


FIG.4B



FIG. 4C



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FIG.5A

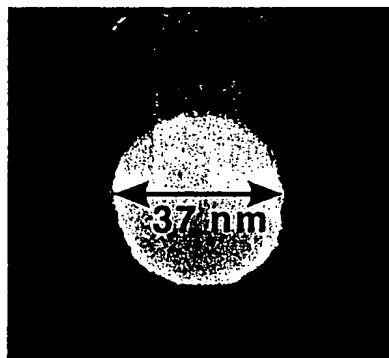


FIG.5B

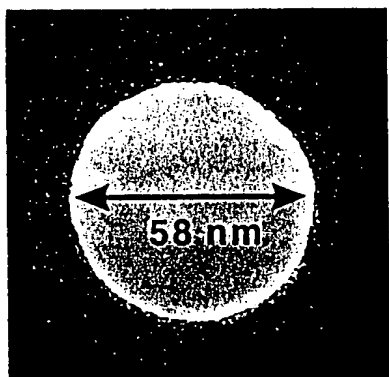
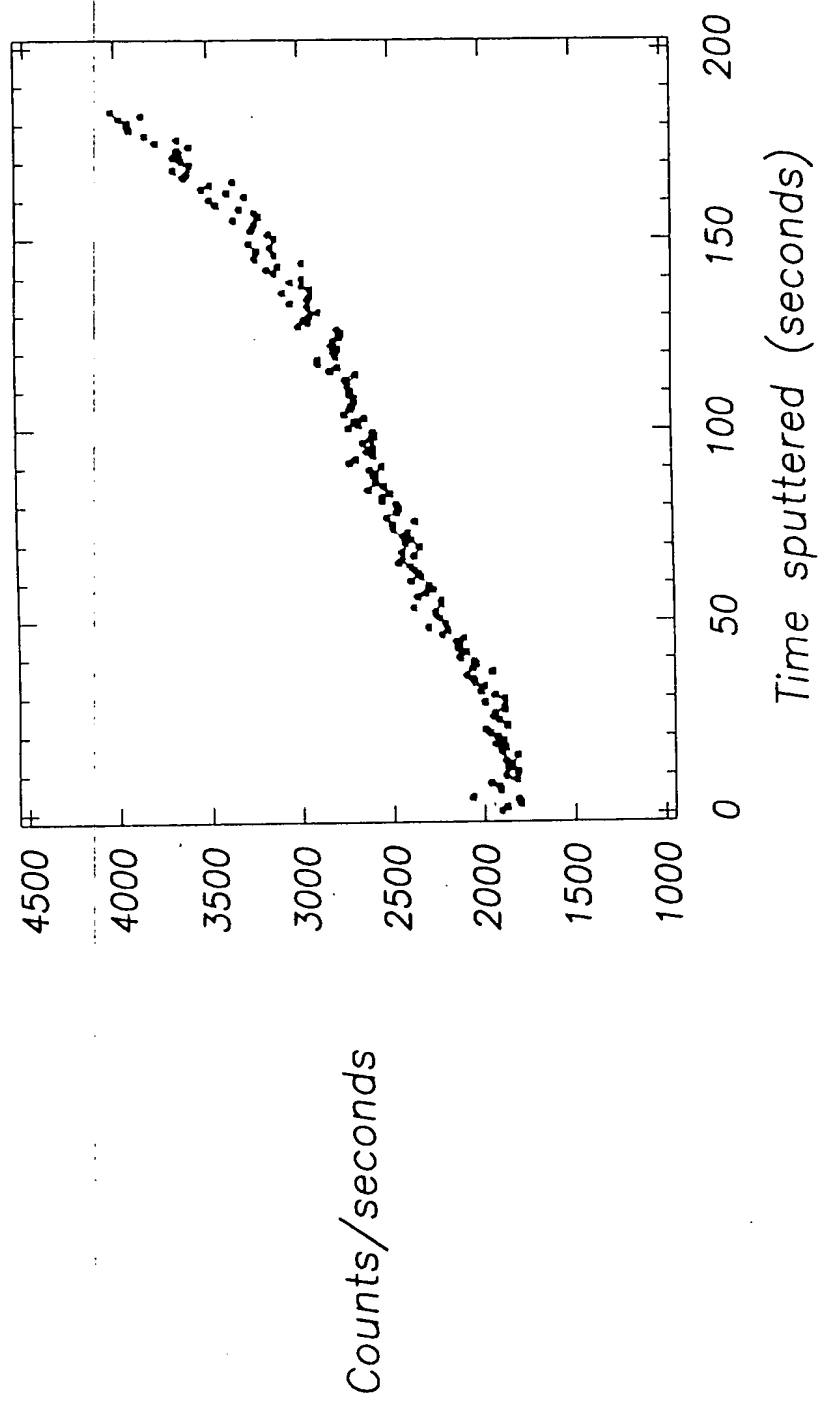


FIG.5C



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FIG. 6A

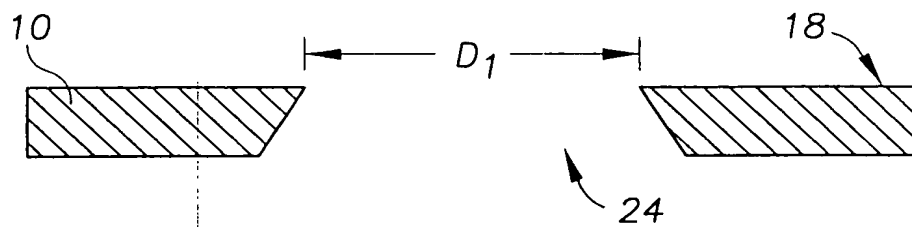


FIG. 6B

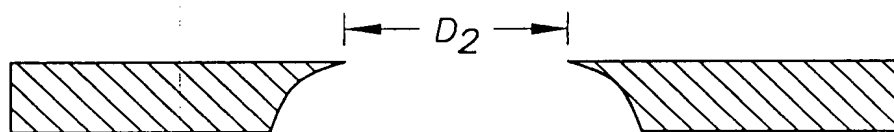
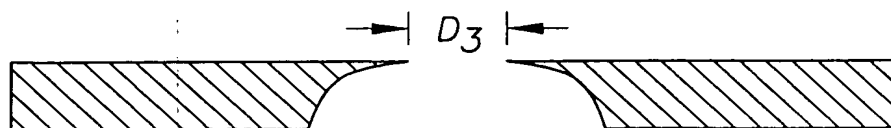


FIG. 6C



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FIG.7A

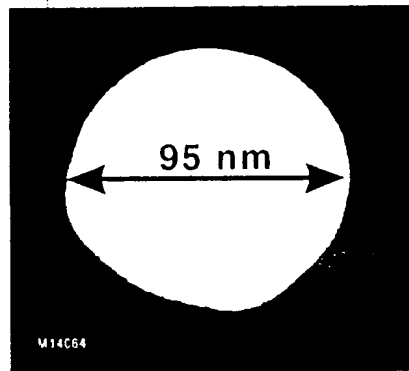


FIG.7B

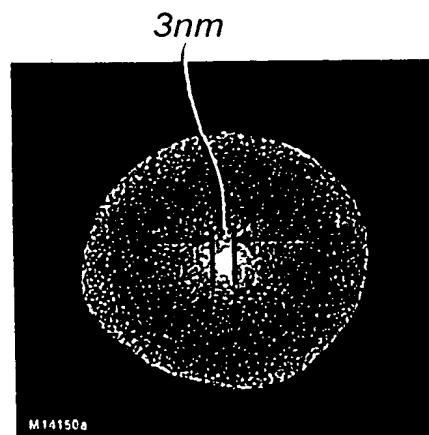
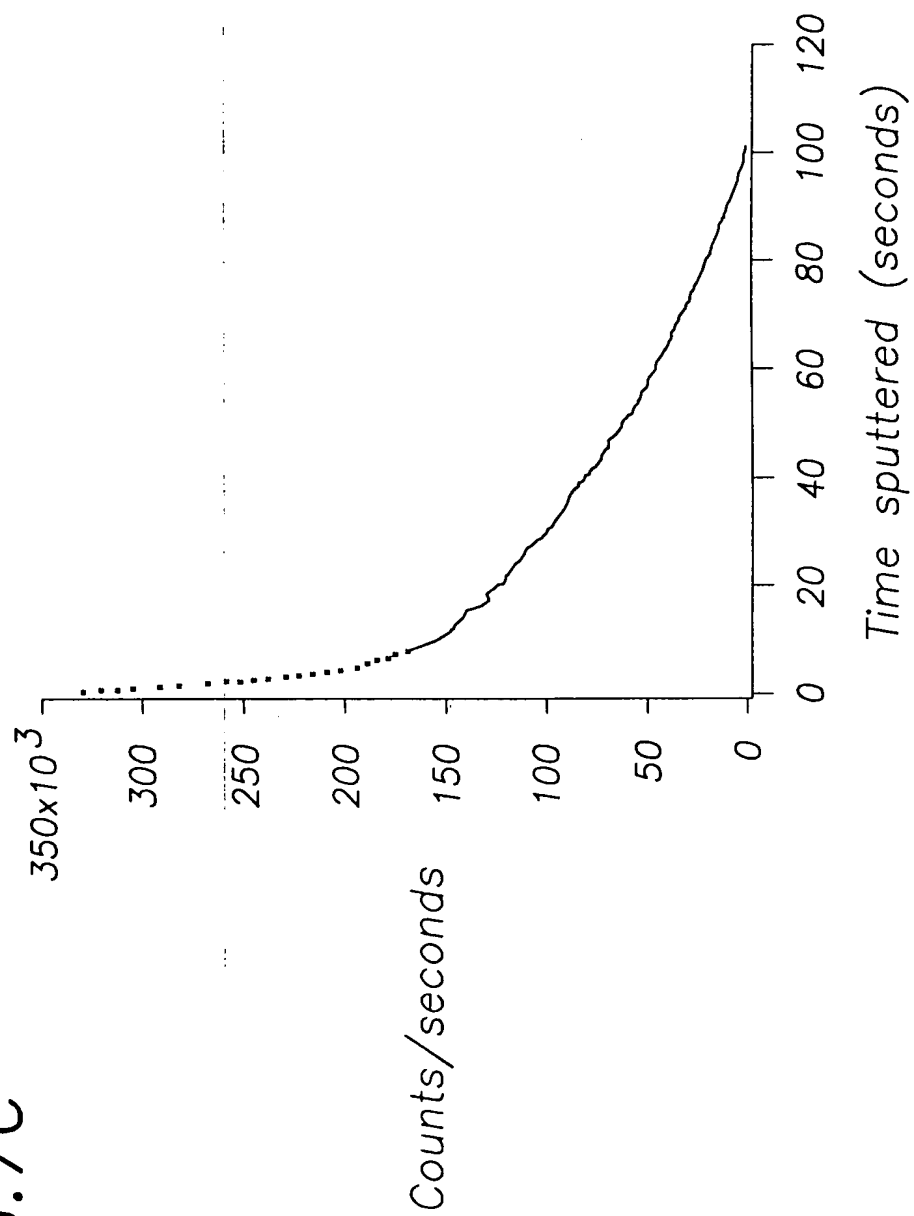
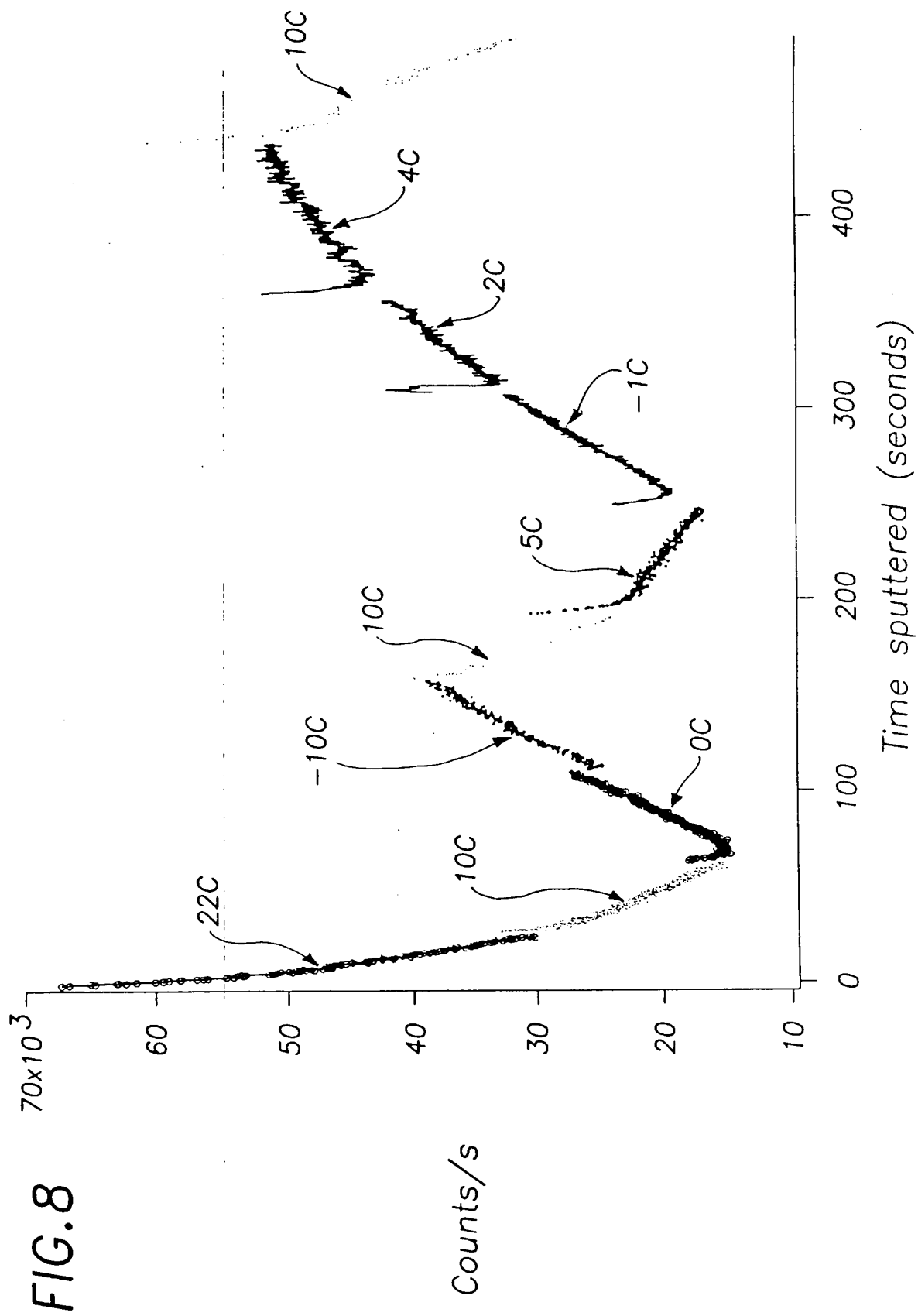


FIG.7C



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FIG. 9A

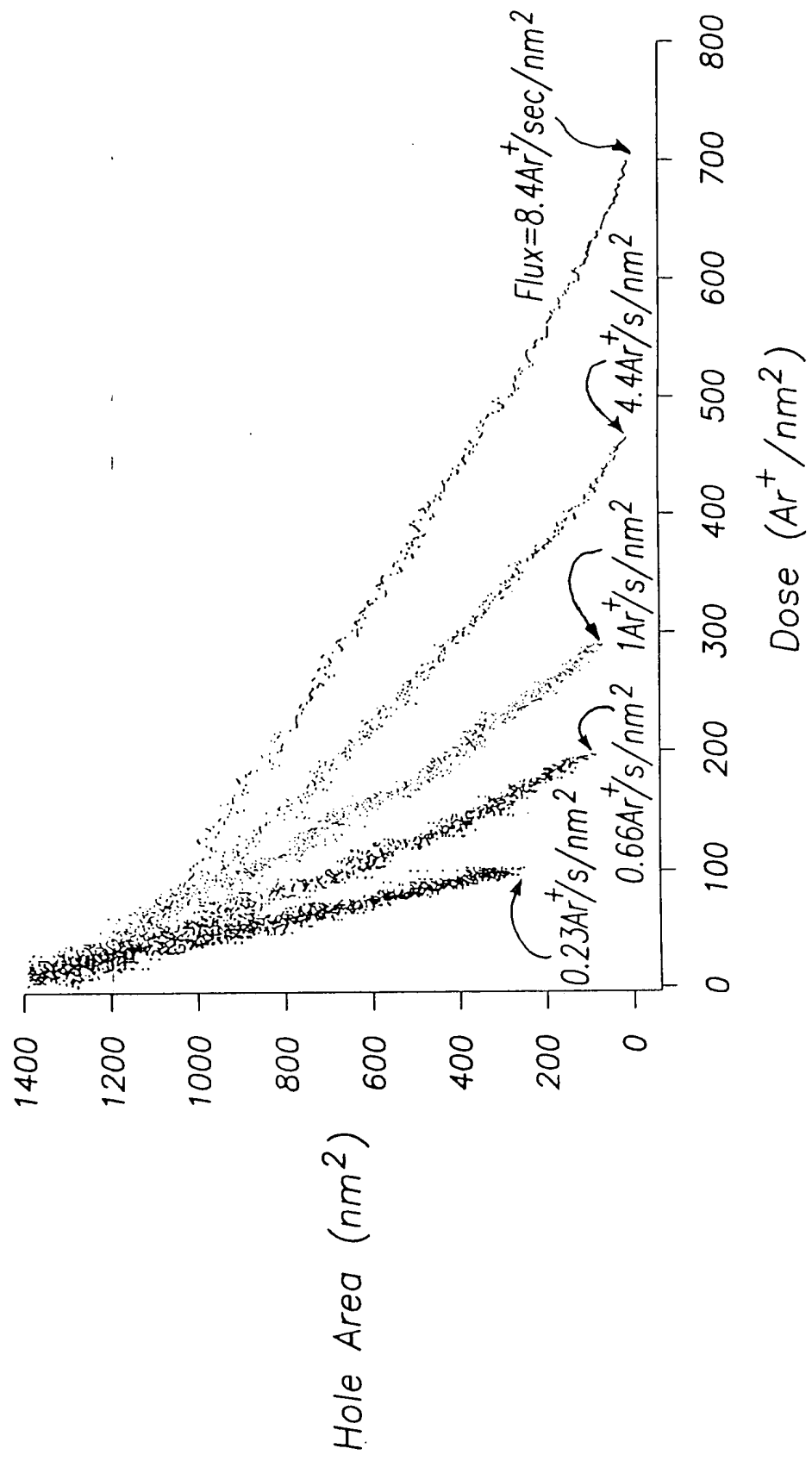
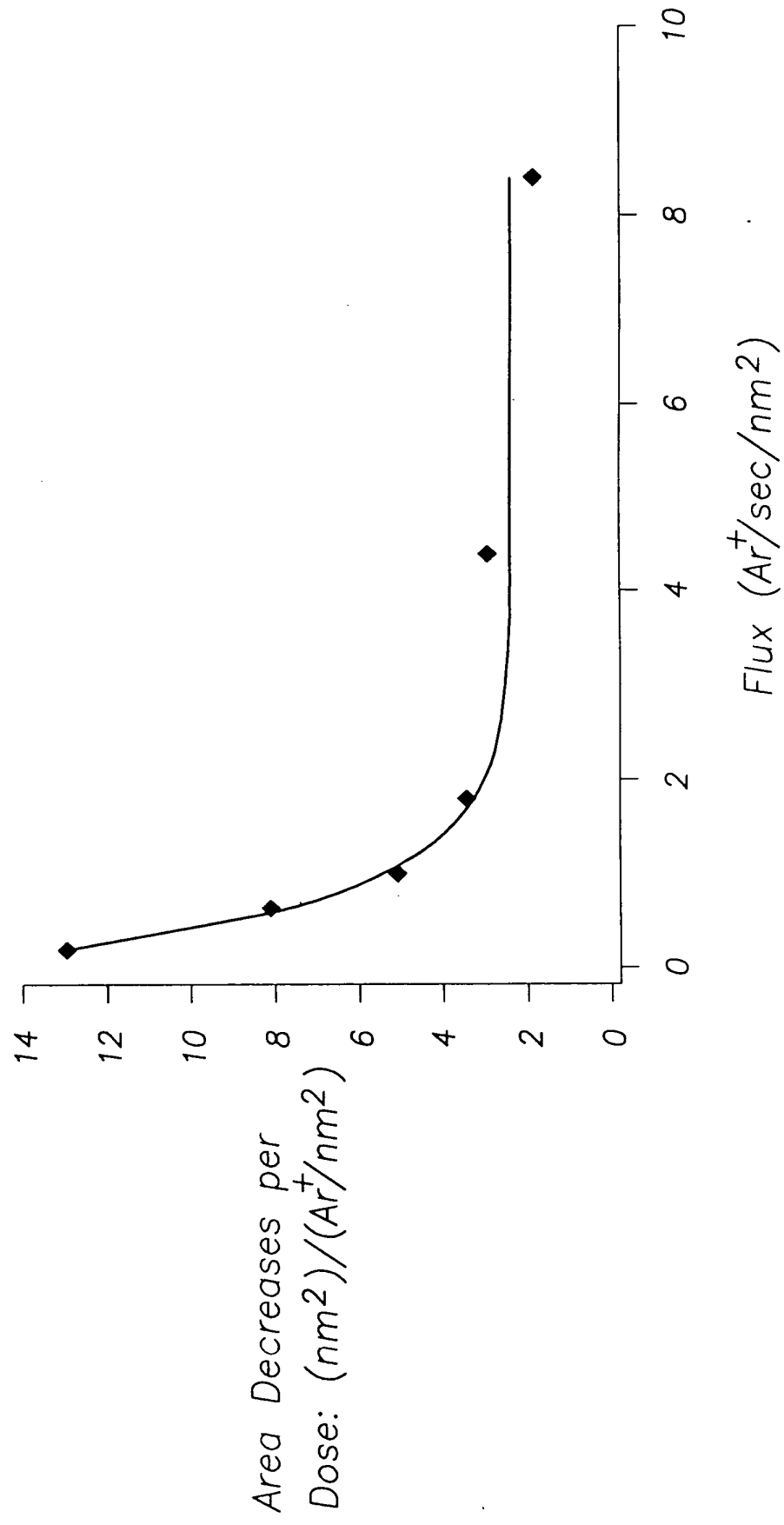


FIG.9B



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FIG.10A



FIG.10B

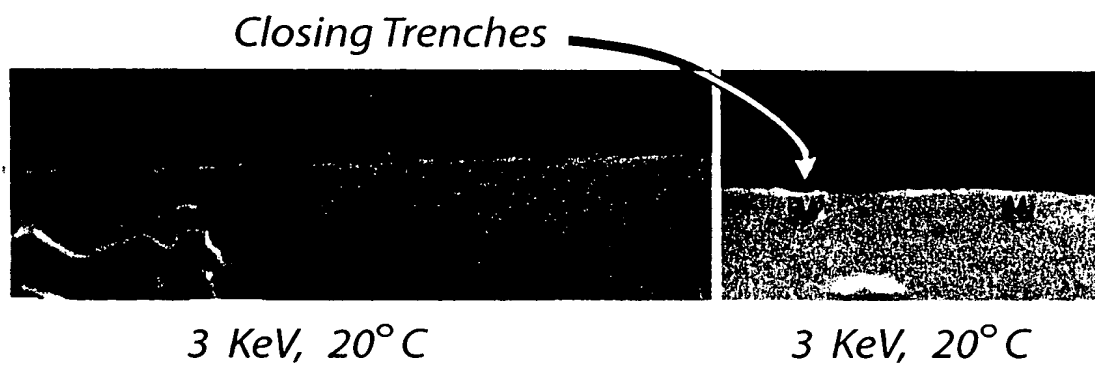


FIG.10C

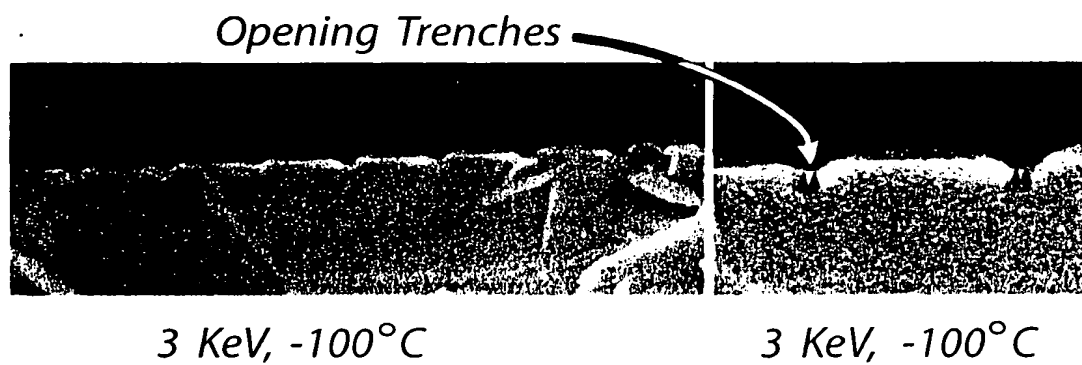
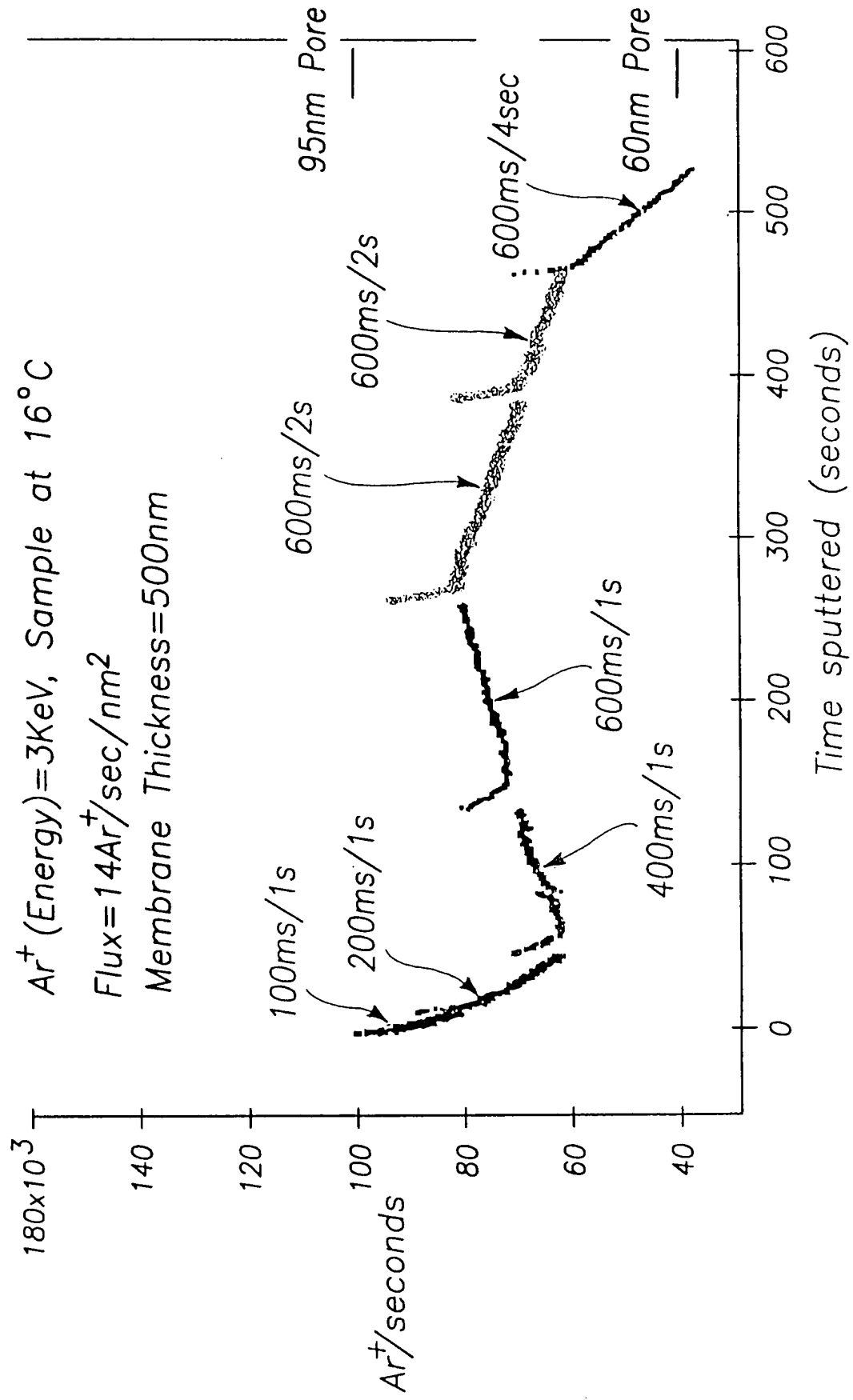
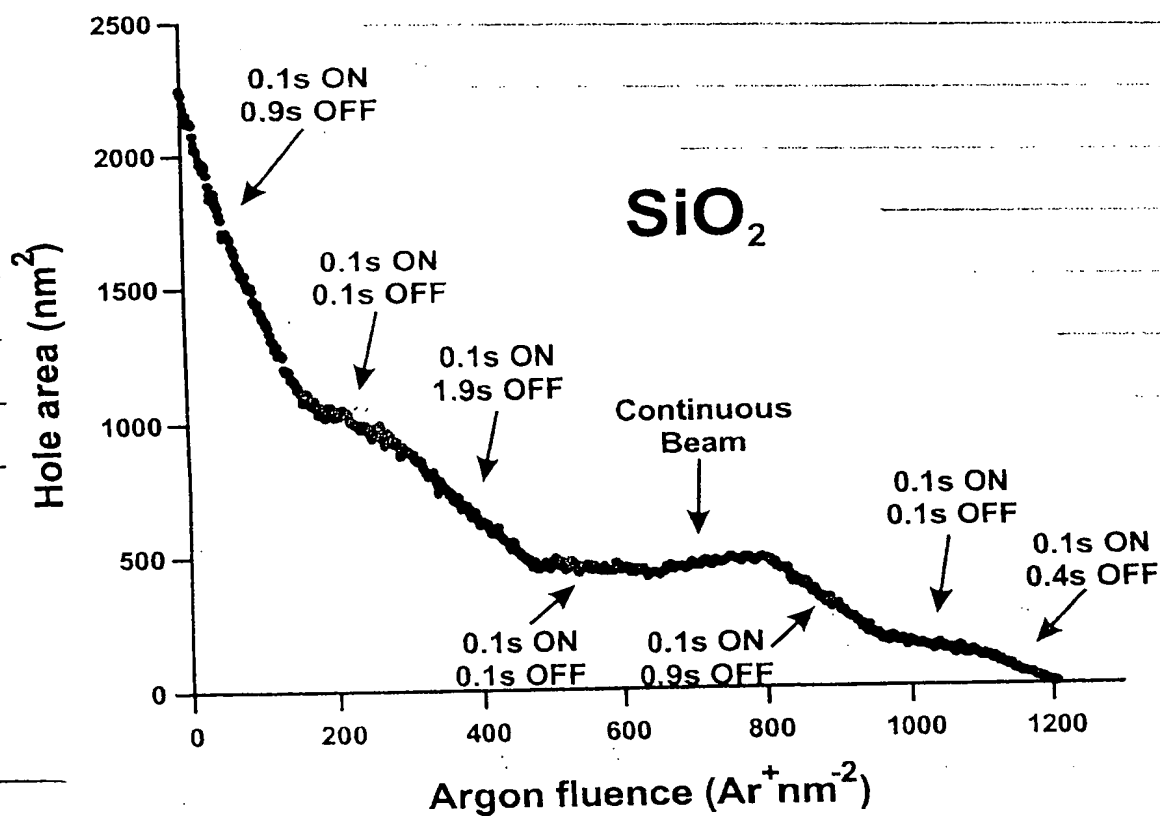


FIG. 11A



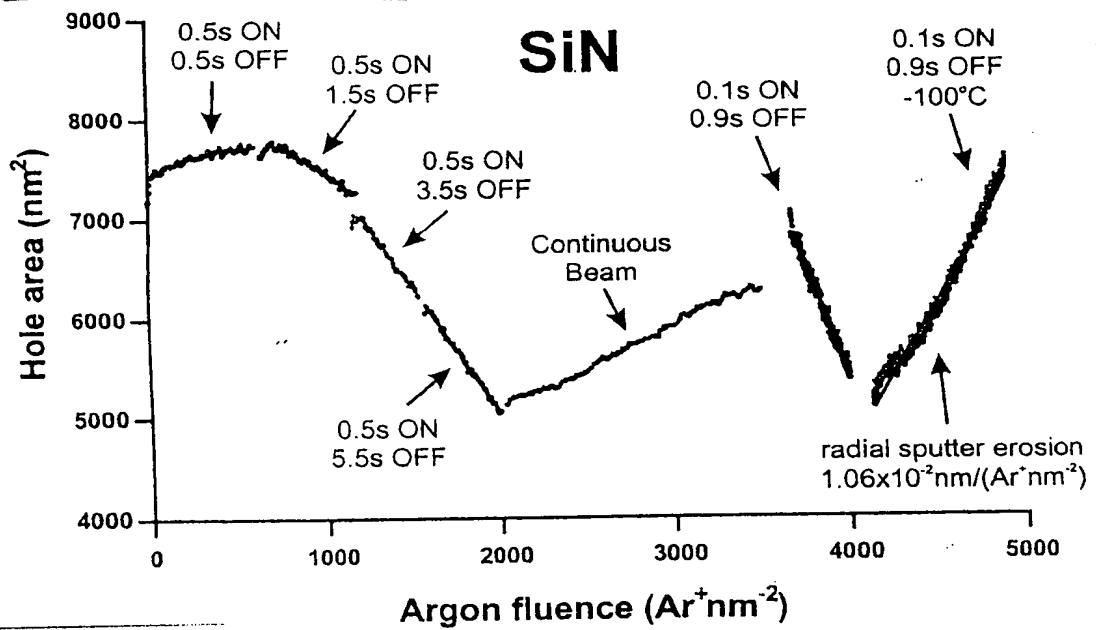
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FIG 1 B



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FIG. 11C



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FIG. 11D

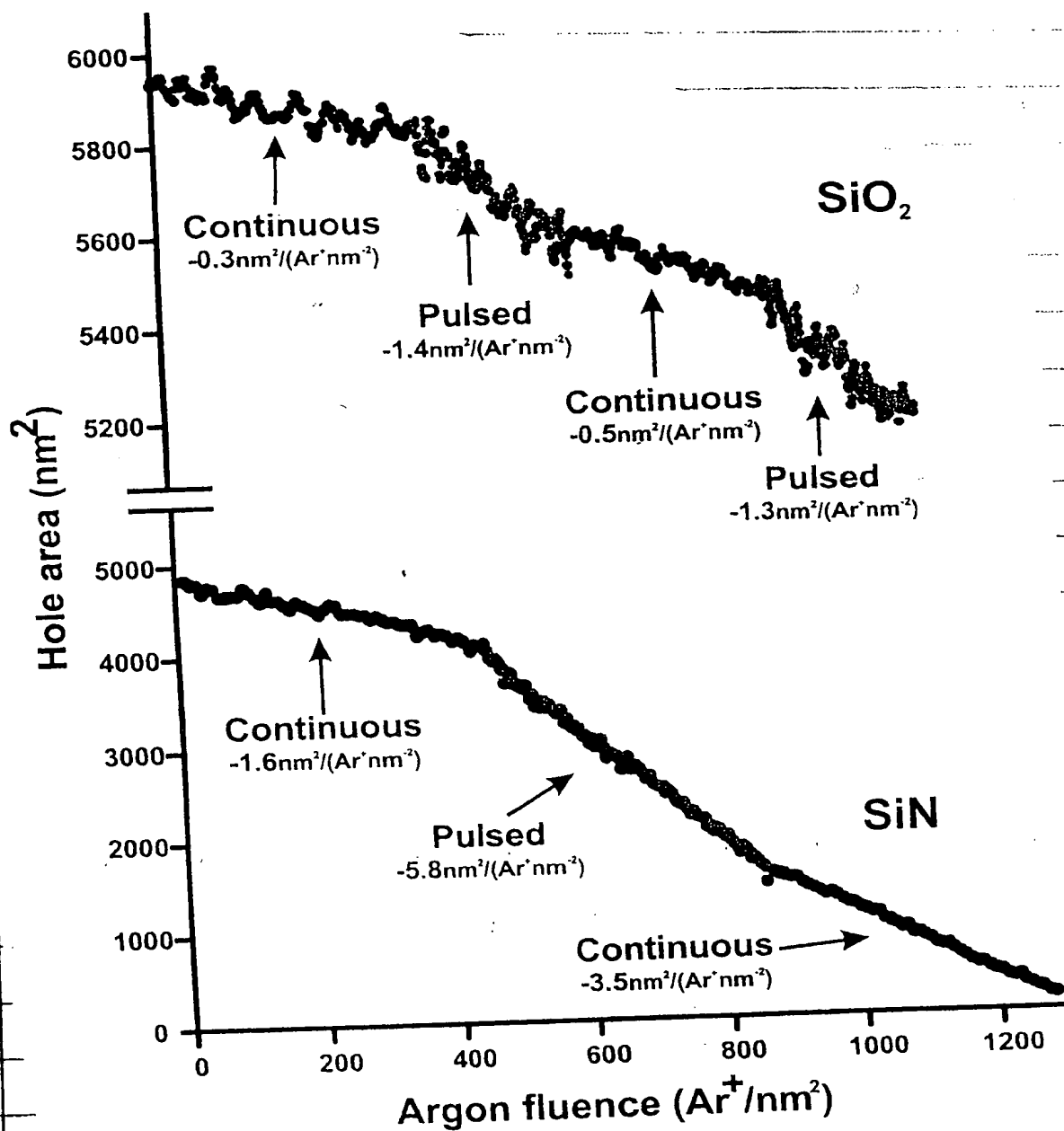


FIG.12

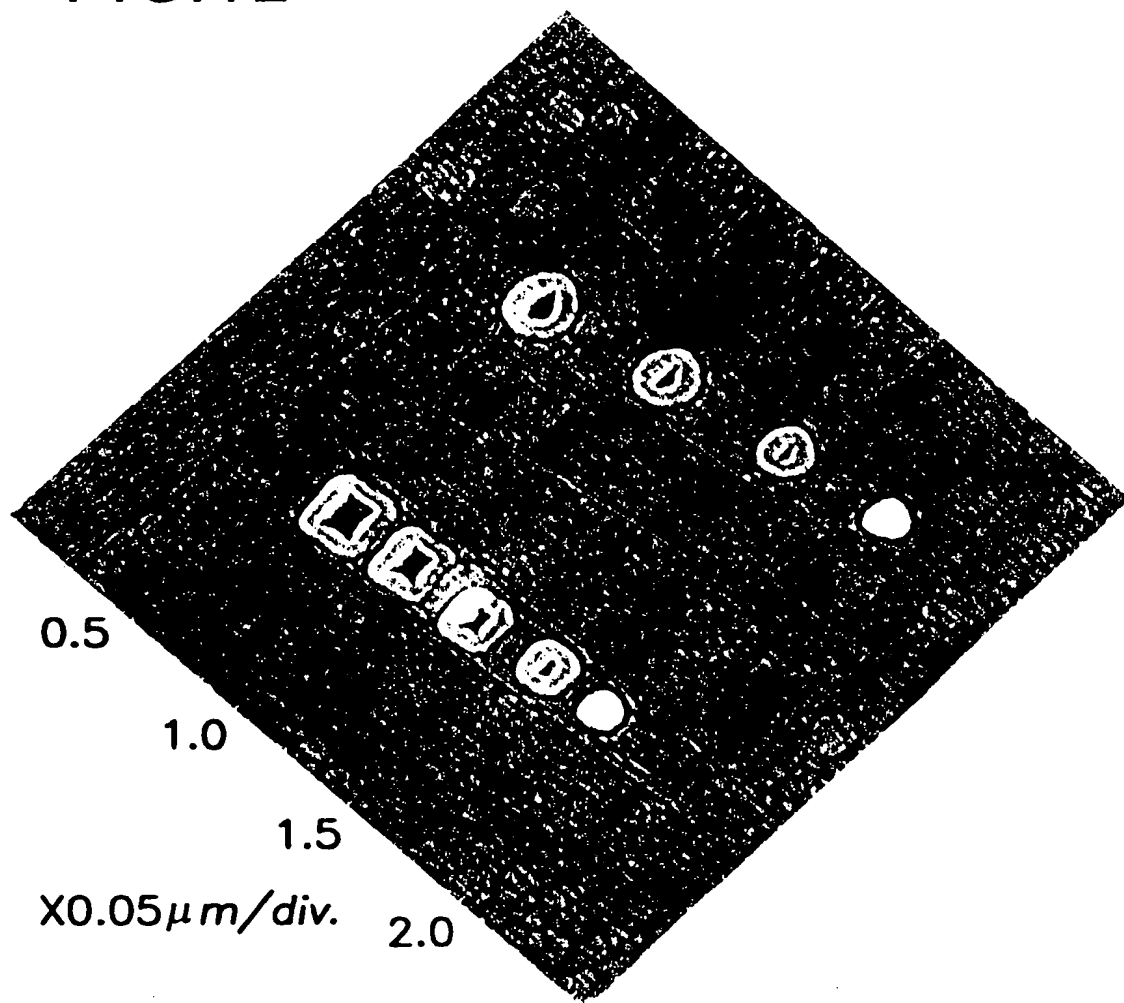
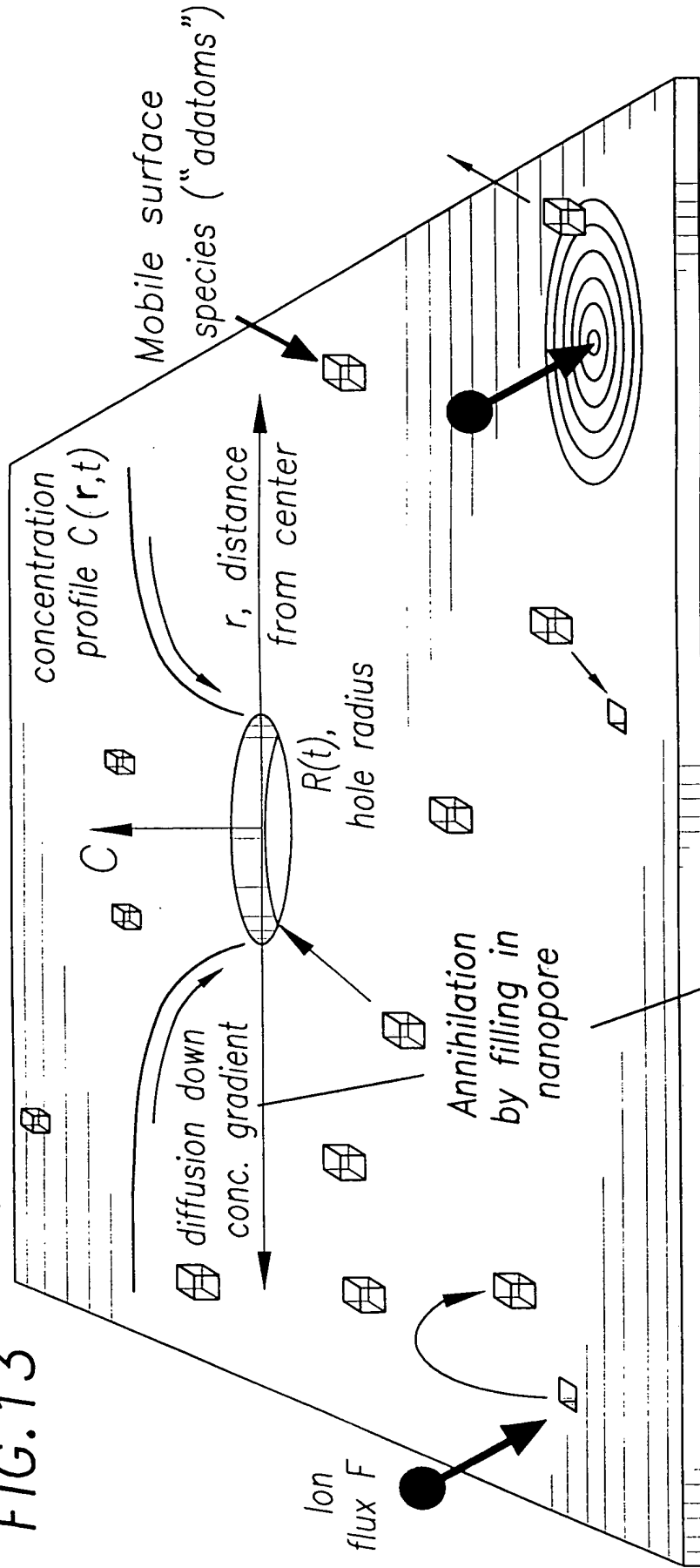


FIG.13



Creation by
ion impingement
 Y_1 adatoms created per ion

Annihilation at
defects ("traps")
Lifetime: τ_{TRAP}

Annihilation by
ion impingement
Adatoms within area σ_c
are ejected

$$\frac{\partial}{\partial t} C(\mathbf{r}, t) = F Y_1 + D \nabla^2 C - \frac{C}{\tau_{TRAP}} - F C \sigma_c$$

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FIG. 14A

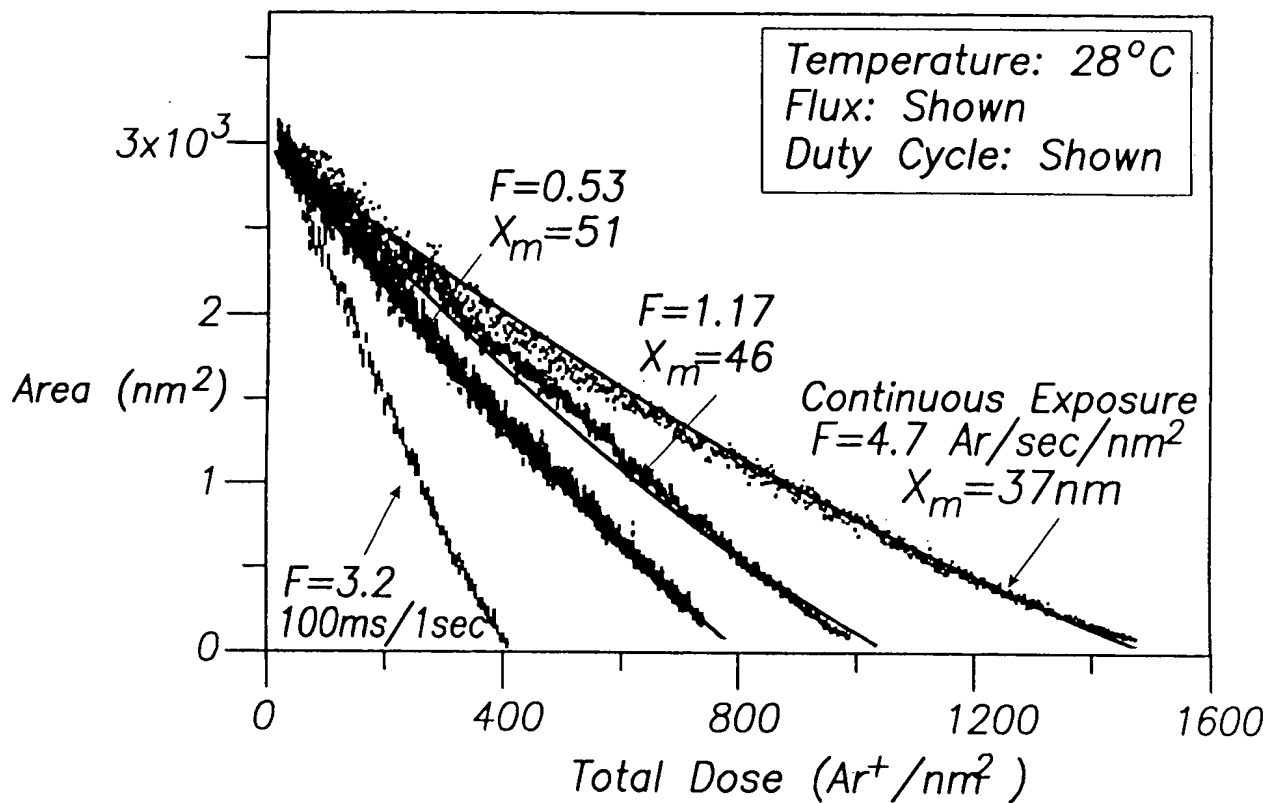


FIG. 14B

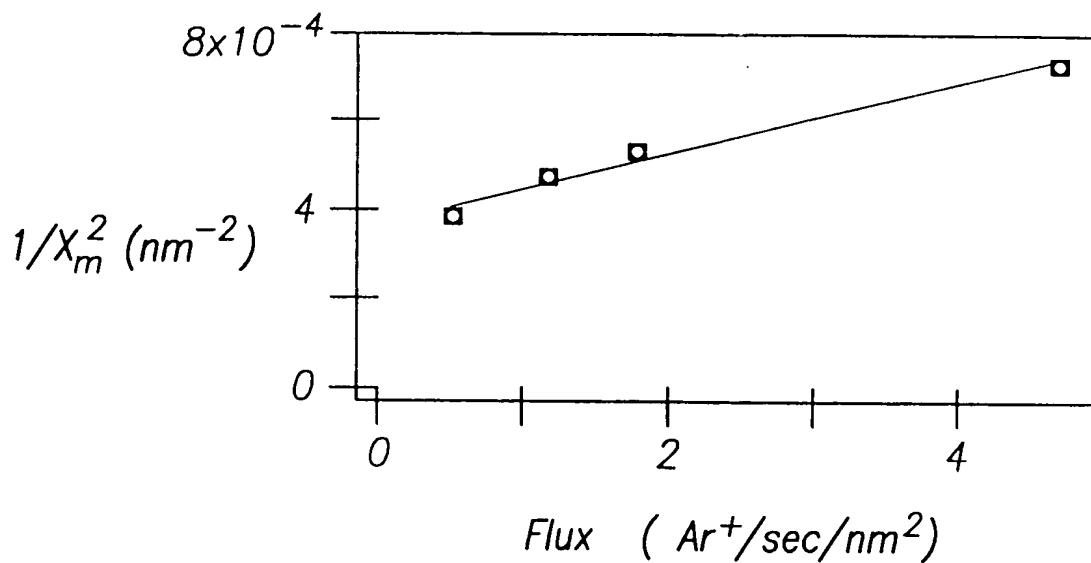
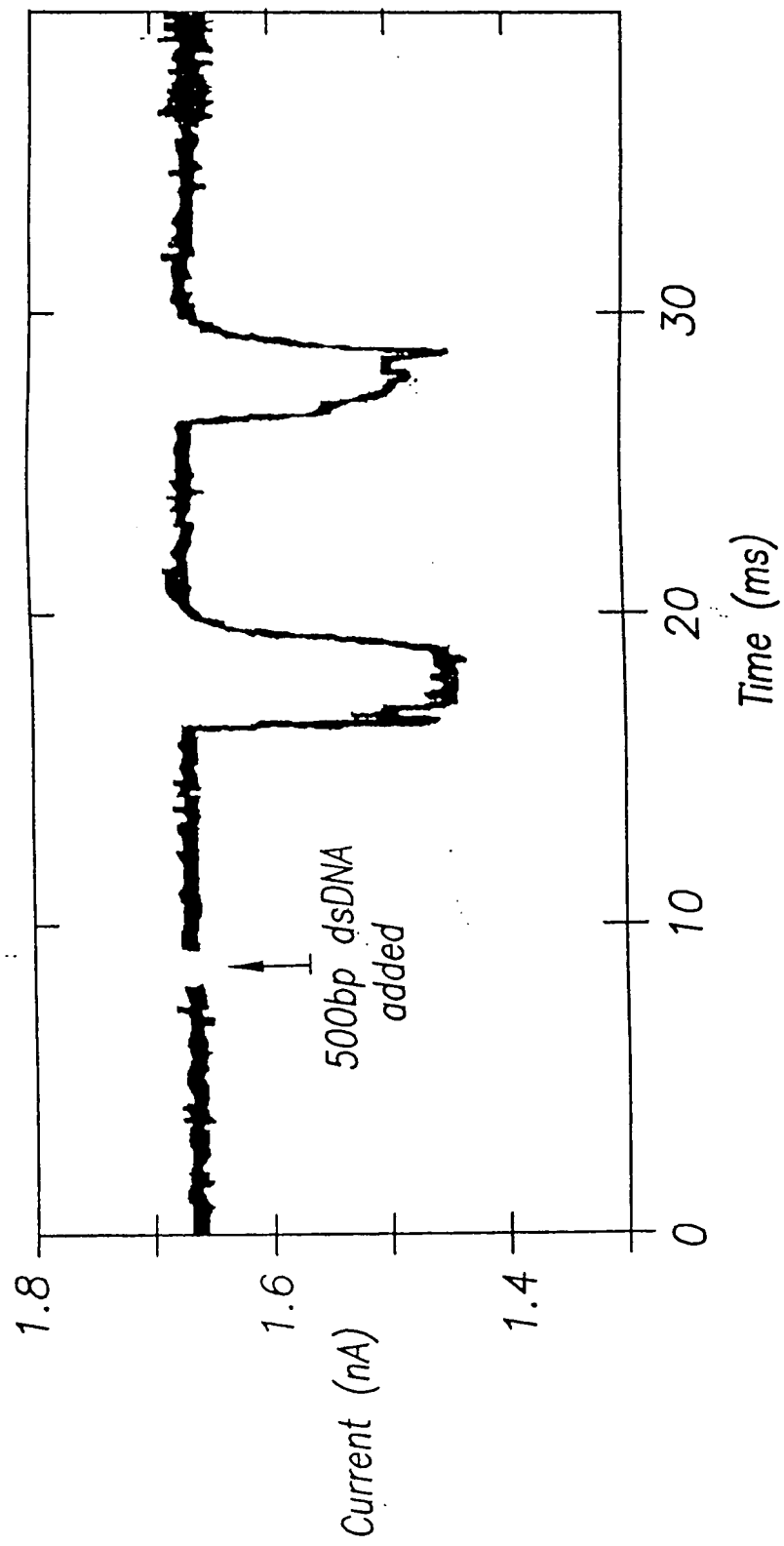
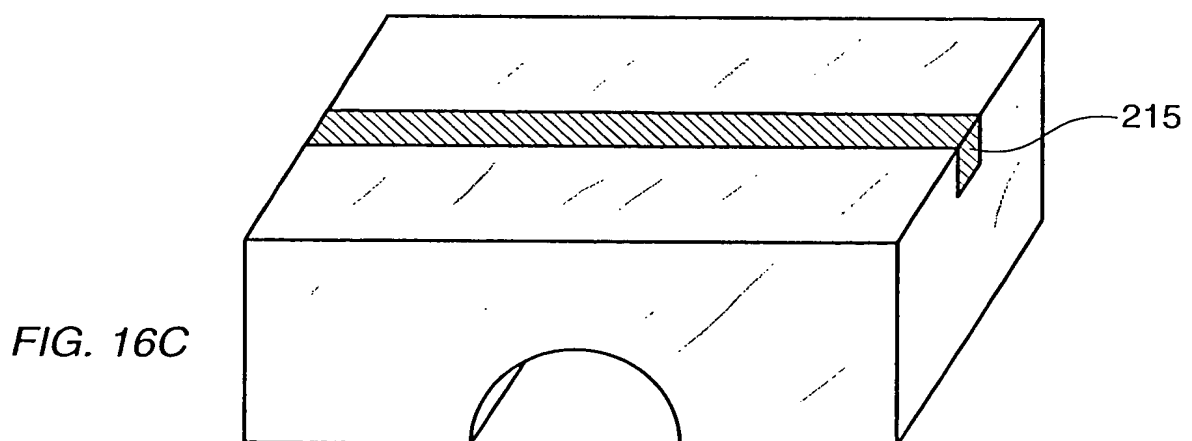
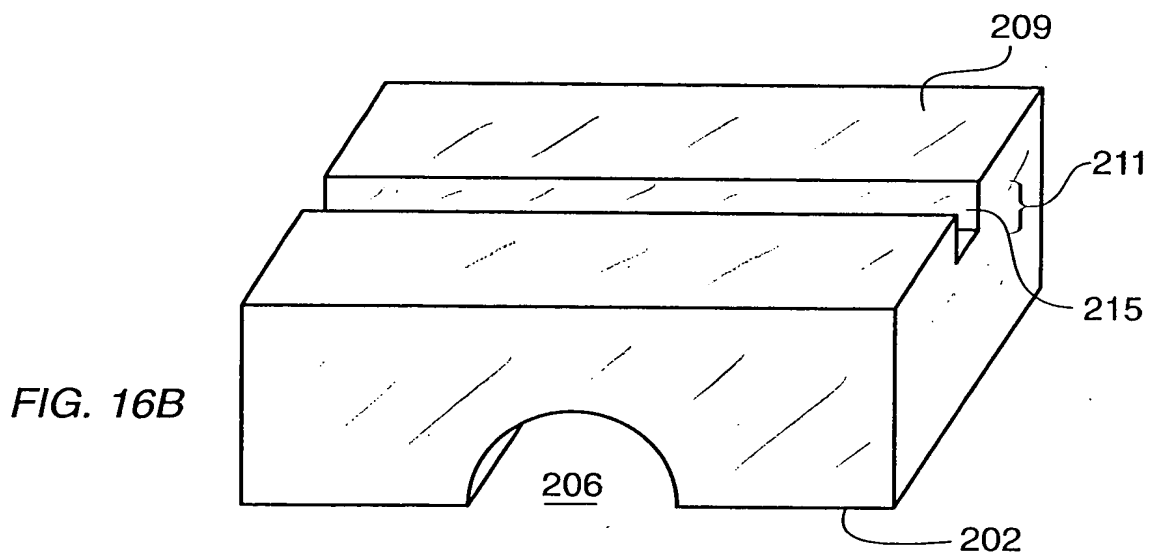
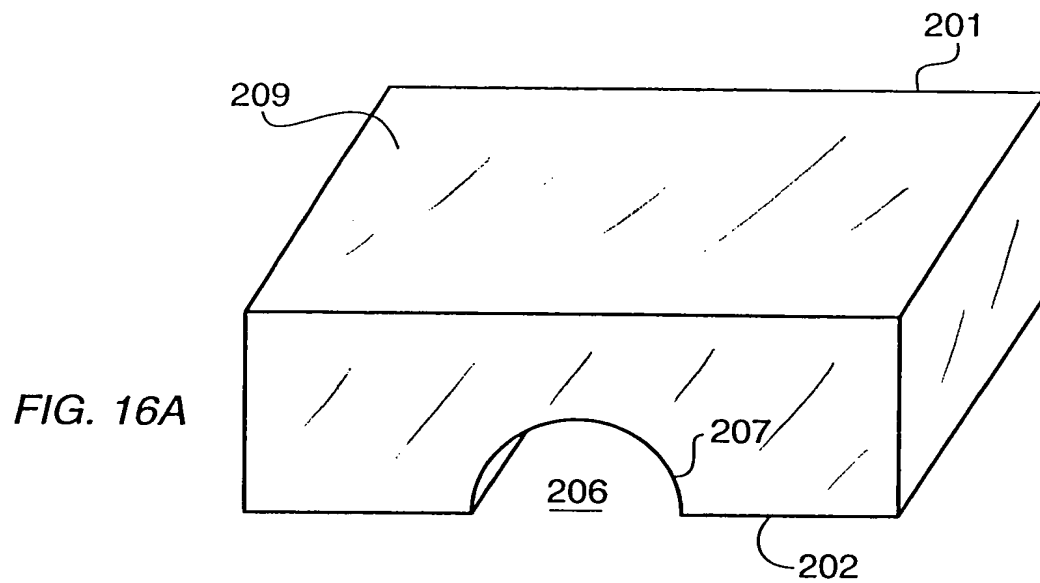


FIG.15



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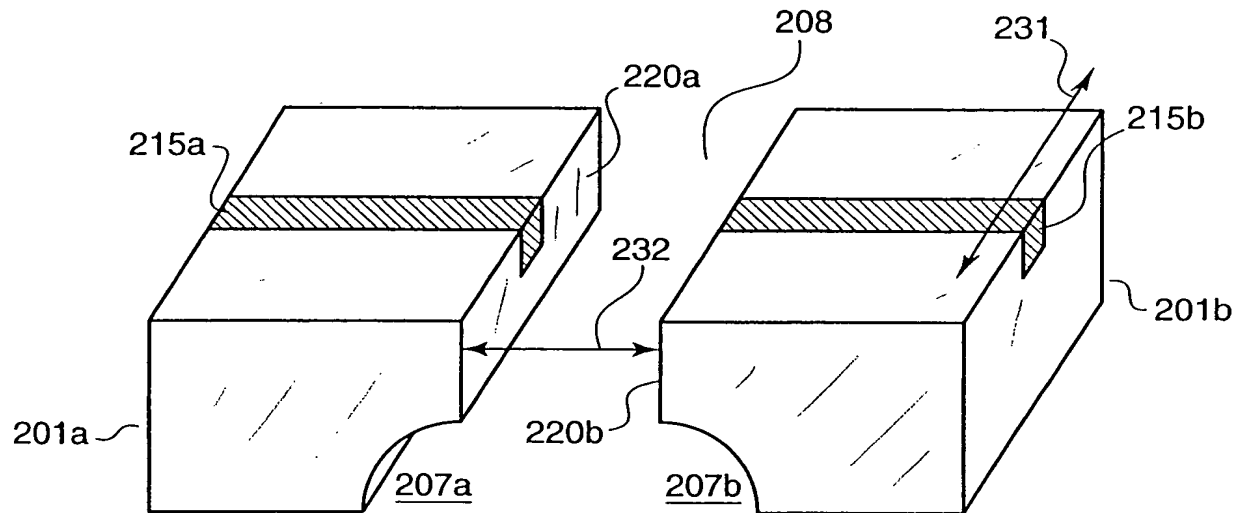


FIG. 16D

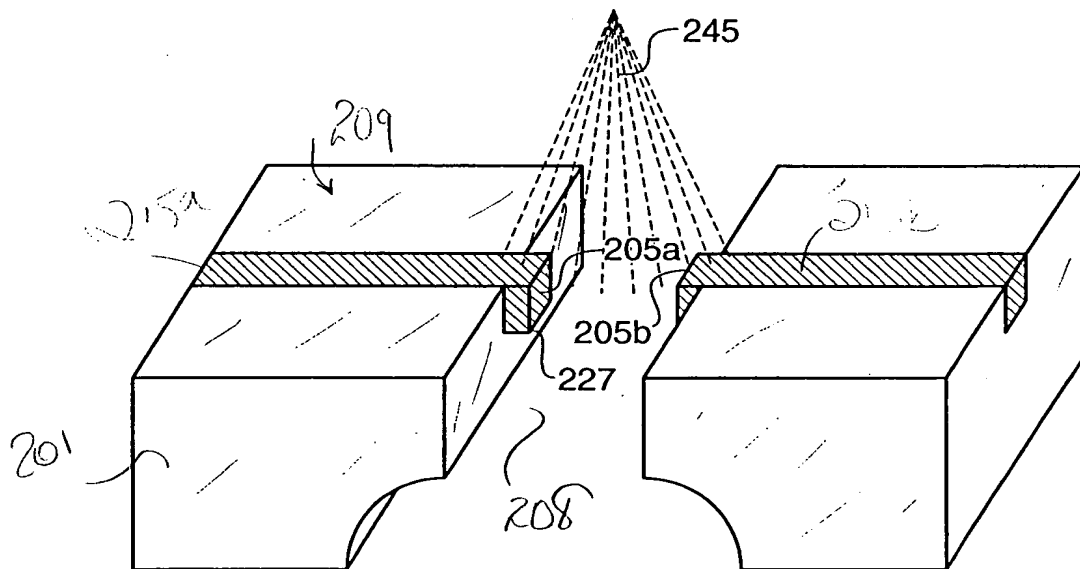


FIG. 16H

FIG. 16E

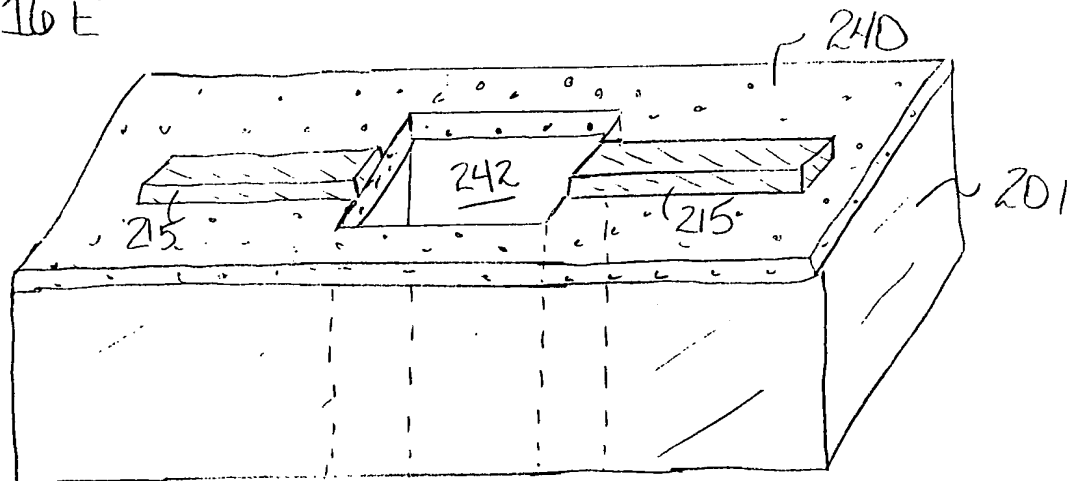


FIG. 16F

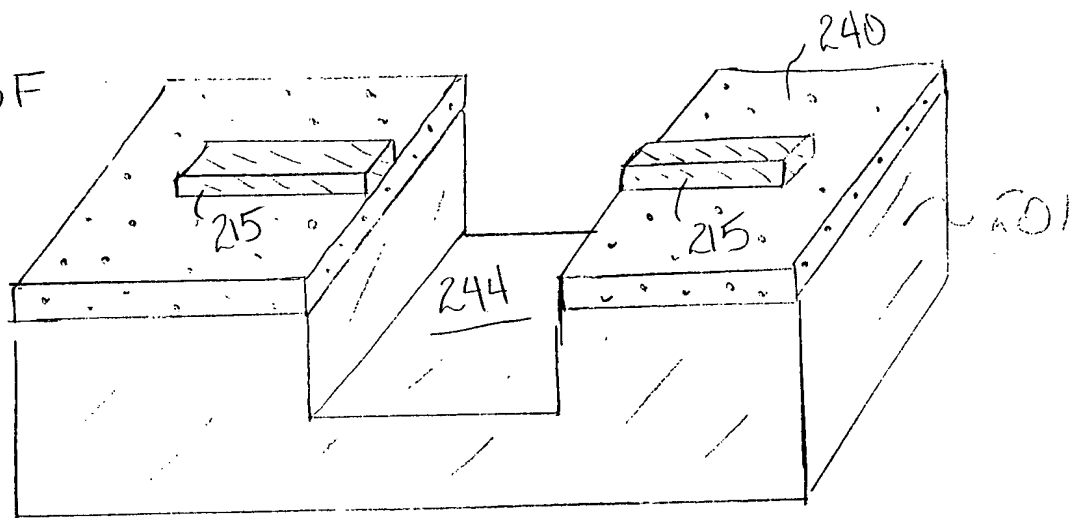
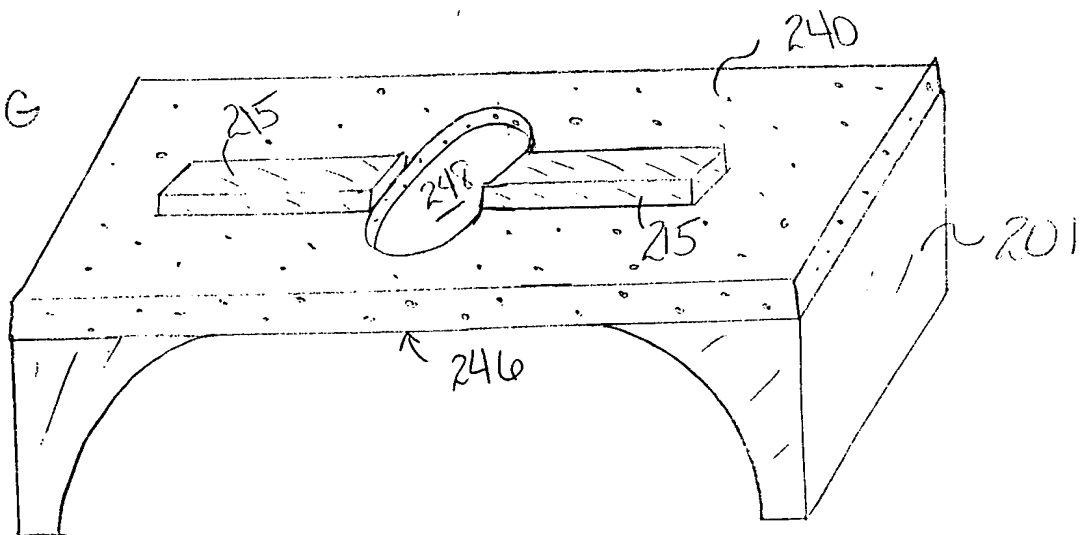


FIG. 16G



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FIG. 16 I

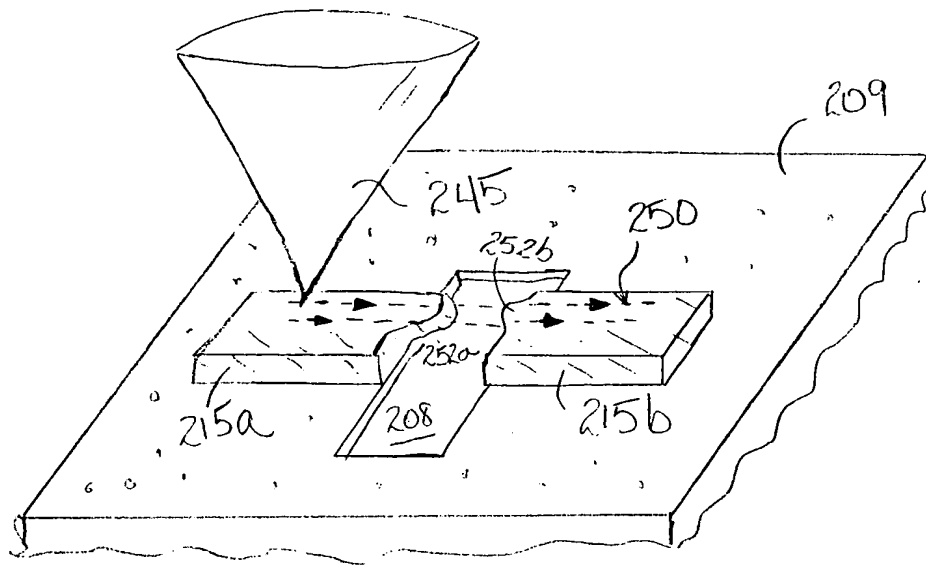
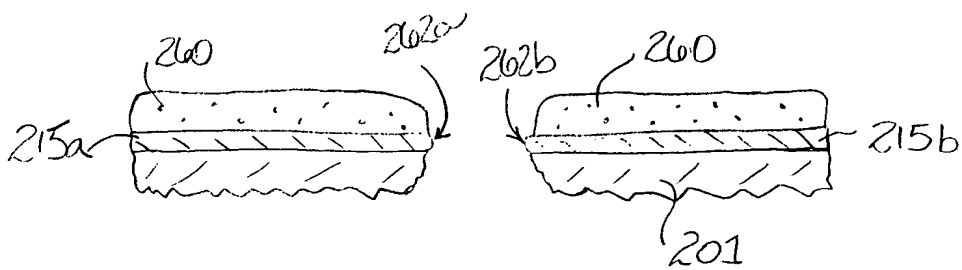


FIG 16 J



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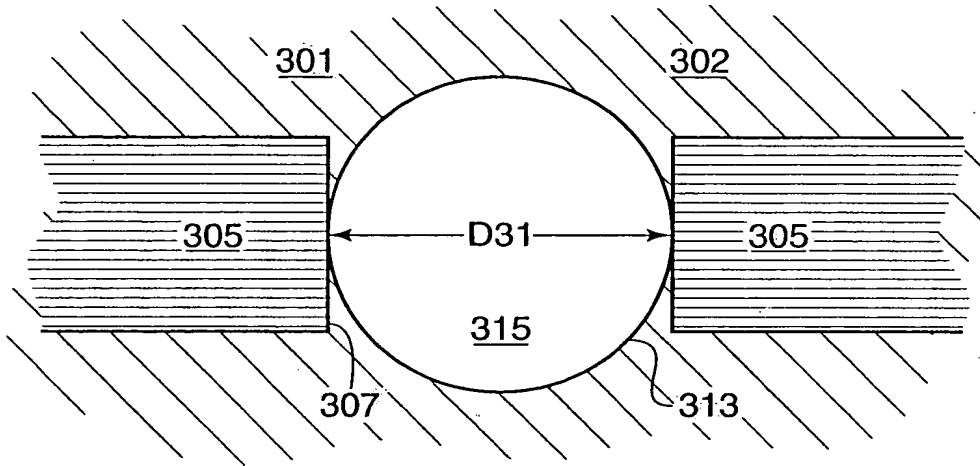


FIG. 17A

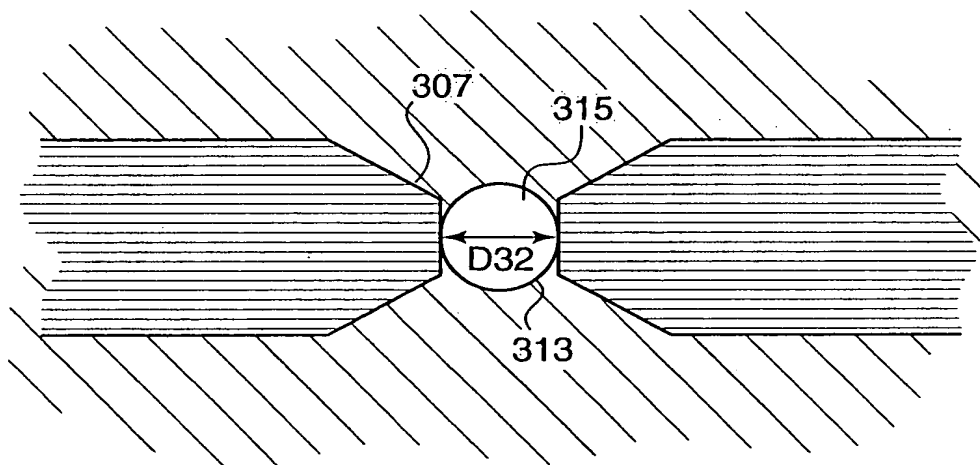


FIG. 17B

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FIG. 18A

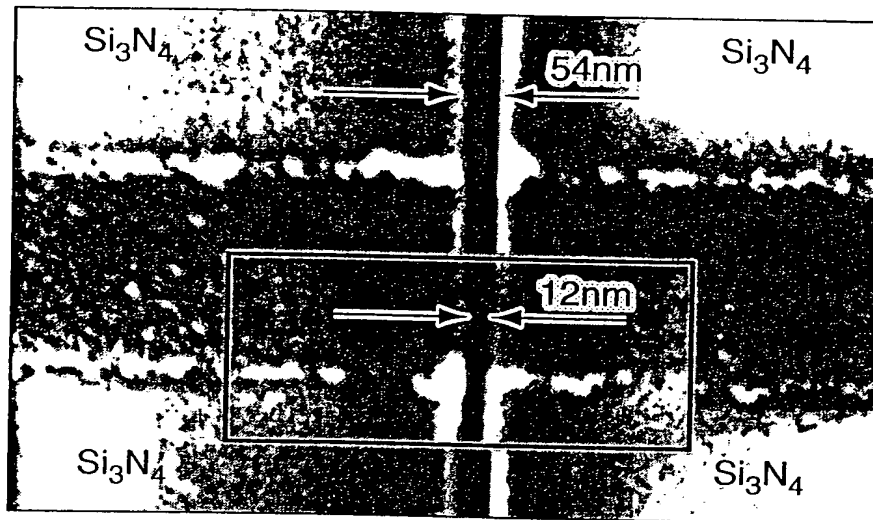


FIG. 18B

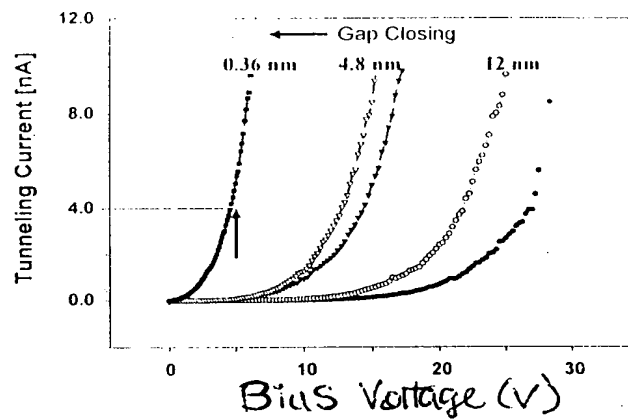
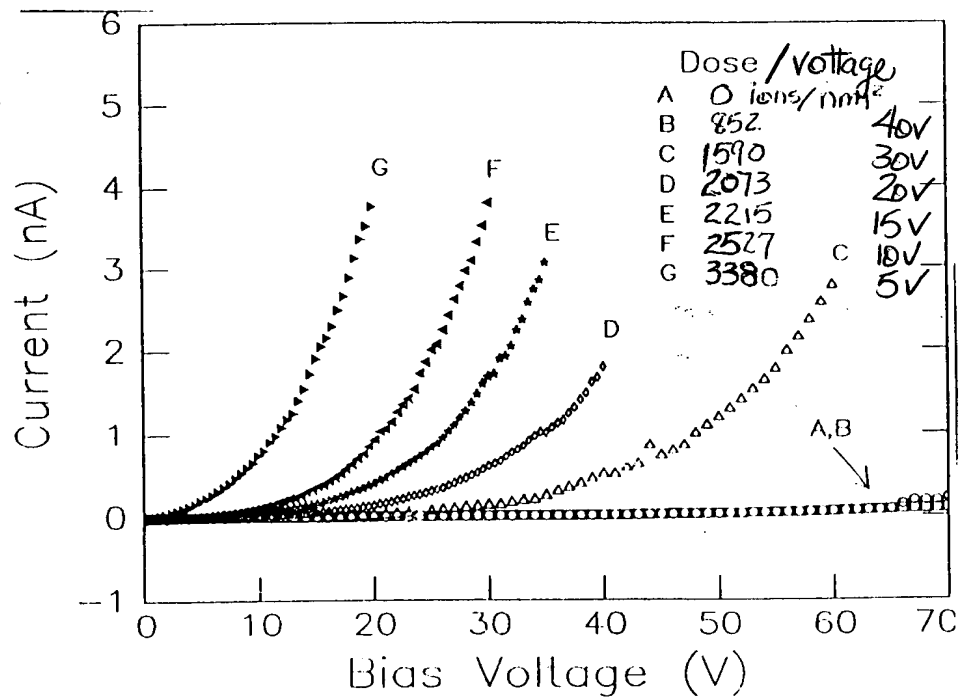


FIG. 18C



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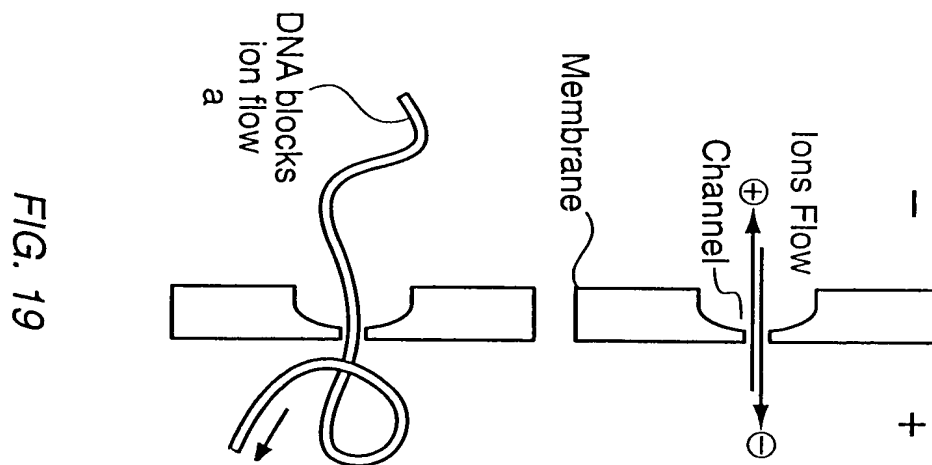
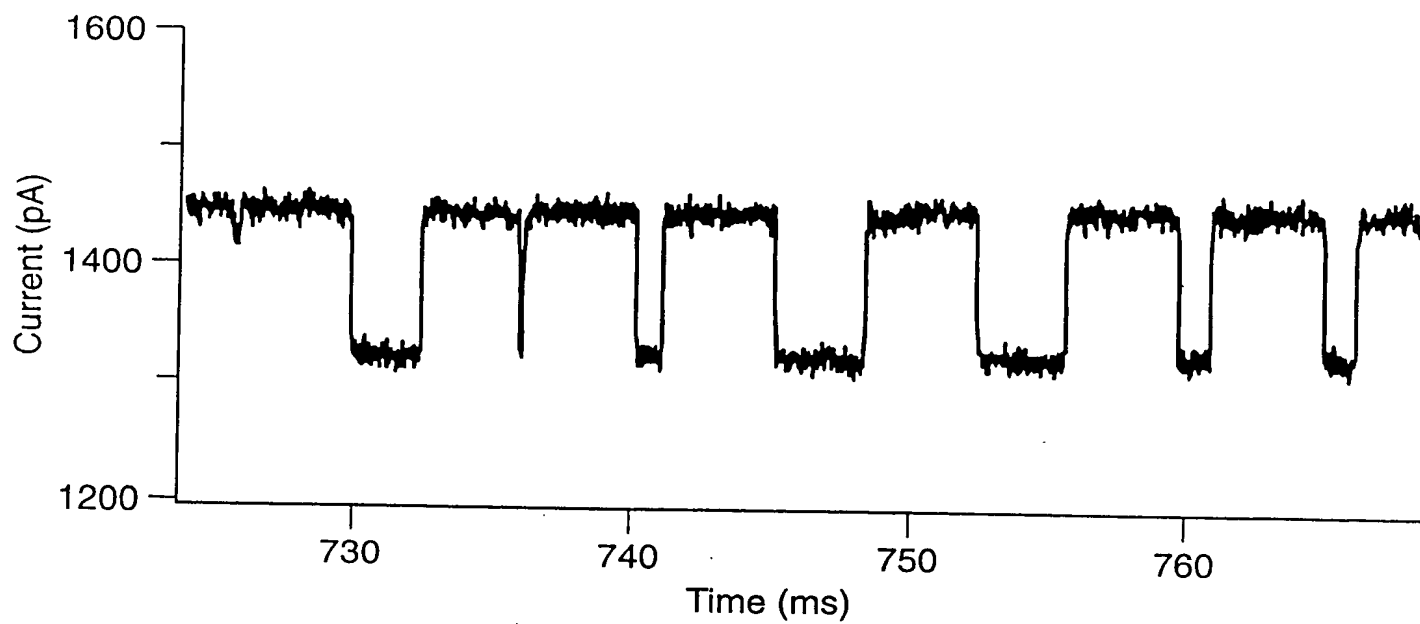


FIG. 20



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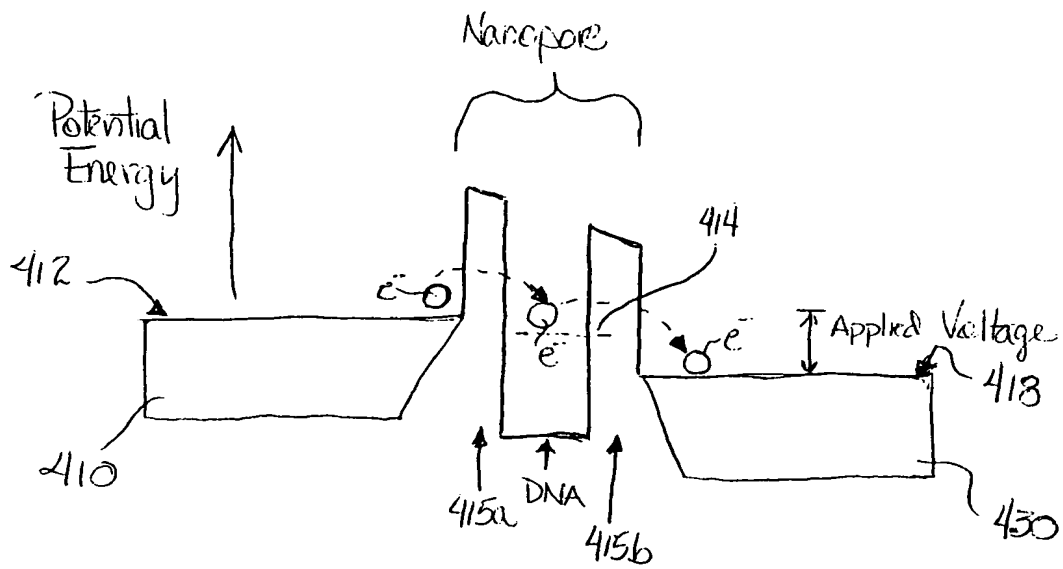


FIG. 21

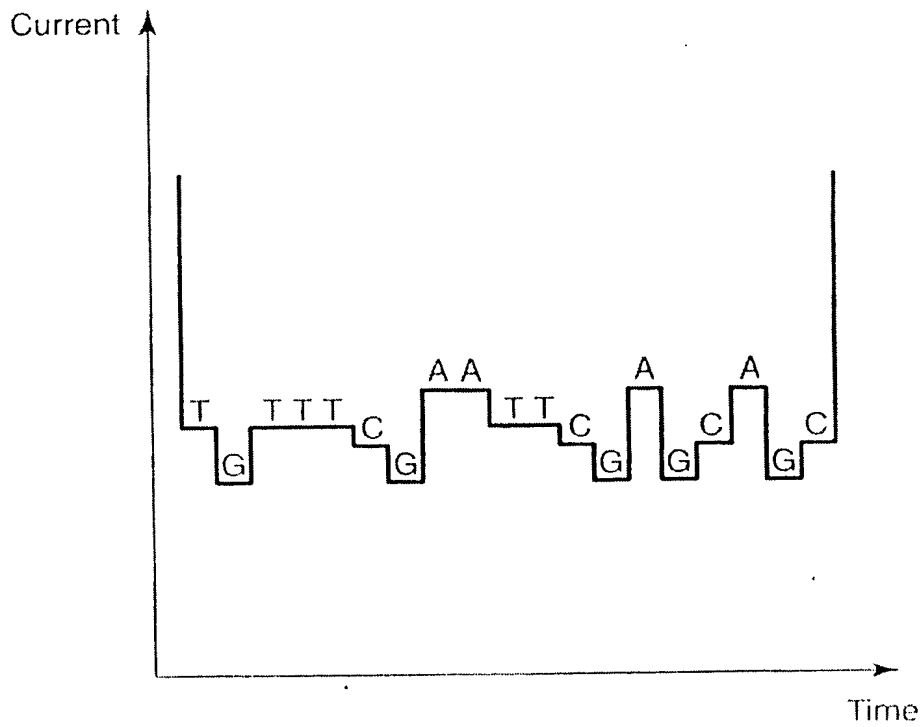


FIG. 22